## **CLAIMS**

## What is claimed is:

approximately 1.15 g/ml.

- A composite article comprising:
  a pre-preg material comprising a reinforcement impregnated with a thermosetting resin, the composite article having a specific density ranging from approximately 1.00 g/ml to
- 2. The composite article of claim 1, wherein the thermosetting resin comprises a carbon phenolic resin.
- 3. The composite article of claim 1, wherein the thermosetting resin comprises a phenolic resin or an epoxy resin.
- 4. The composite article of claim 1, wherein the reinforcement comprises glass fibers, boron filaments, boron nitride, silicon carbide, graphite (carbon) filaments, or high modulus organic filaments.
- 5. The composite article of claim 4, wherein the high modulus organic filaments comprise poly(benzothiazoles) or poly(aromatic amides).
- 6. The composite article of claim 1, wherein the reinforcement comprises organic filaments of nylon, polyethylene, or aramid.
- 7. The composite article of claim 1, wherein the pre-preg material further comprises a filler material.
- 8. The composite article of claim 7, wherein the filler material comprises silica, carbon powder, powdered alumina trihydrate, or antimony oxide.

- 9. The composite article of claim 1, wherein the composite article comprises a rocket nozzle component.
- 10. The composite article of claim 1, wherein the composite article comprises a composite panel.
- 11. The composite article of claim 1, wherein the composite article has an across-ply tensile strength of about 1800 psig to about 3000 psig.
- 12. The composite article of claim 1, wherein the composite article has an across-ply tensile strength of about 1800 psig to about 2200 psig.